

LIQUID CRYSTAL DISPLAY APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A liquid crystal display apparatus including a pair  
of substrates having electrodes and vertical alignment  
layers. A liquid crystal having a negative anisotropy of  
dielectric is inserted between the substrates. Each  
substrate has linearly arranged alignment control  
structures for controlling the alignment of the liquid  
crystal. The alignment control structures are formed in  
15 the form of projections or slits. Each alignment control  
structure is formed of a plurality of constituent units.  
In addition, means for forming a boundary of alignment of  
liquid crystal (singular point in director field) to  
control the liquid crystal located on the alignment  
20 control structures.

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